| | 01.41140.0111.17 | | | | | SERIAL NO. FILING DATE | | | | | | | | |
|-----------------------|--|--|--|----------------|-------------|------------------------|------------|------------|--------------|--------------|--|--|--|--|
| | | | CLAIM | SONLY | | • | | APPLICAN | r(S) | | | il. | | |
| | | | | 75 4 F T | | R 2ND | CLAIMS | | | | | | | |
| · | AS | FILED | AMEN | R 1ST DMENT | | DMENT | | | • | | <u> </u> | | | |
| | IND | DEP | IND | DEP | tND | DEP | 1 | · | IND | DEP | IND | DEP | IND | DE |
| | -/- - | , | | | | | ł | 51 | | ļ | | | | ↓ |
| 2 | | | | | | | 1 . | 52 | | | | | - | ├ |
| 3 4 | | | ł | | | | 1 | 53 54 | | | | | | ┼ |
| 5 | | - '/- | | | | <u></u> | 1 | 55 | | | | | | ┼─ |
| 6 | | 2 | | | | | 1 | 56 | | | | † | ļ | |
| 7 | | í | 1 | | | |] | 57 | | | | | · · · · | <u> </u> |
| 8 | İ | | | | | | 1 | 58 | | | | | | |
| 9 | Λ. | / | | | | | | 59 | | | | | | |
| 10 | | 1 | | | | | | 60 | | ļ | · | ļ | | <u> </u> |
| 11 | ļ | 2 | | | | | | 61 | | | | ļ | | <u>L</u> . |
| 12 | | 2 | | | | | ł | 62 | | | | ļ | | ⊢ |
| 13 | | j | <u> </u> | | | | ! | 63 | | | | | | \vdash |
| 15 | | / | <u> </u> | | | | 1 1 | 64 65 | | | | | | \vdash |
| 16 | ! | 1 | | | | | 1 | 66 | | | | | | |
| 17 | ,. | ''' | | | | |] | 67 | | | l | t | · · · · · | \vdash |
| 18 | 1/3 | 1 | | | | |] | 68 | | | | | | |
| 19 | | 1 | | | | | | 69 | | | | | | |
| 20 | | 1 . | | | | | | 70 | | | | | | |
| 21 | / | 1 | | "I. sarahadi | | | | 71 | | · | | | | |
| 22 | <u> </u> | 1 | <u> </u> | | | | | 72 | | | | | | _ |
| 23 | | 2 | | | | | | 73 | | | | | | <u> </u> |
| 24 | | 2 | | <i>-</i> | · · | | | 74 | _ | | | | | _ |
| 25 26 | / | 1 | | | | | | 75 76 | | | | | | |
| 27 | | j | | | | | | 77 | | | | | | |
| 28 | ļ | 1 | | | · | | | 78 | | | | | | |
| 29 | | 1 | | | | | | 79 | | | | | | |
| 30 | | | | | | | | 80 | | | | | | |
| 31 | | | | | | | | 81 | | | · | | | |
| 32 | | | | | | | | 82 | | | | | · · · · · | |
| 33 | | | | | | | i | 83 | | | · | | | |
| 34 | ļ | | | | | | | 84 | | | | | | |
| 35 36 | | | | | | | 1 | 85 86 | | | | | | - |
| 37 | | | - | | | | | 87 | | | | | · · | |
| 38 | · · | | | | | | | 88 | | | | | | ' - |
| 39 | | | | | | - | | - 89 | | | | | | |
| 40 | | | | | | | | 90 | | | | | | |
| 41 | | | | | | | | 91 | | | | | | |
| 42 | | | | · · | | | | 92 | | | , | | | |
| 43 | | ļ | | | | | | 93 | | | | | | |
| 44 | | | —— | | | | | 94 | | | | | <u> </u> | |
| 45 | | | | | | | | 95 | | | | | <u></u> | |
| 46 | | | | | | | | 96 | | | | | | |
| 47 48 | | | | | | | | 97 98 | | · · · · · | | | | |
| 49 | | | | | | | ŀ | 99 | | | | | | |
| 50 | | <u></u> | | • | | | l t | 100 | | | | | | |
| | 6 | • | | | | | | | | - , | | , | | ٠. |
| TAL IND. TAL P. | 7)CJ- | <u>_</u> | | _ | | | F | TOTAL IND. | | _ | | _ | | _[|
| P. TAL | ダー | | | | | | l l | DEP. | | | | ···· | | ¥ ZZET |
| AIMS | 35 | | j | | 3 | | <u>.</u> . | CLAIMS | | | | | | |

SERIAL NO.

FILING DATE

SERIAL NO. FILING DATE

APPLICANT(S)

| | | CL | AIM | S 01 | NLY | | |
|----|-------------|-------|------|---------------|------------------------|------|--|
| | | | | | | | |
| | ASI | FILED | | TER NDMENT | AFTER 2nd AMENDMENT | | |
| | IND. | DEP. | IND. | DEP. | IND. | DEP. | |
| 1 | 1 | | | | | | |
| 2 | | 1 | | | | | |
| 3 | | | | | | | |
| 4 | 1 | | | | | | |
| 5 | | | | | | | |
| 6 | | 2 | | | | | |
| 7 | Ī | | | | | | |
| 8 | | | | | | | |
| 9 | | J | | | | | |
| 10 | | 1. | | | | | |
| 11 | 1 | 72 | _ | | | | |
| 12 | 48 | 82 | | | | | |
| 13 | 11 | | | | | 1 | |
| 14 | | -1 | | | | | |
| 15 | · · · · | 1.,,, | | | | | |
| 16 | | 3/// | | | | | |
| 17 | | | | | | | |
| 18 | | (.) | | | | | |
| 19 | | i | | | | | |
| 20 | | | | | | 1 | |
| 21 | 1 | | | | | | |
| 22 | | 1 | | 1 | | 1 | |
| 23 | | 1 | | | | | |
| 24 | | 0. | | | | | |
| 25 | | 12 | | | | | |
| 26 | 1 | 7 | | | | | |
| 27 | |). | | | | 1 | |
| 28 | | | | | | Ţ | |
| 29 | | | | | 1 | 1 | |
| 30 | | | | | | T | |
| 31 | 1 | | | | | | |
| 32 | | | Ī — | 1 | | T | |
| 33 | 1 | | | | 1 | 1 | |
| 34 | | | | | T | Ì | |
| 35 | 1 | 1 | | | | 1 | |
| 36 | | 1 | | | 1 | 1 | |
| | | - | | + | | | |

| CLAIMS | | | | | | | |
|--------|-----------------|------|----------|------|------|----------|------|
| | | * | l' | * | 1 | * | |
| | 1 | IND. | DEP. | IND. | DEP. | IND. | DEP. |
| 1 | 51 | | | | | | |
| Ī | 52 | | | | | | |
| Ī | 53 | | | | | | |
| | 54 | | | | i | | |
| - [| 55 | | | | | | |
| Γ | 56 | | Î | | Î | | |
| | 57 | | | | | | |
| [| 58 | | | | | | |
| | 59 | | | | | |] |
| Ĺ | 60 | | | | | | |
| ļ | 61 | | | | | | |
| ļ | 62 | | | | | | |
| 1 | 63 | | | | | | |
| ļ. | 64 | | | | | | |
| , | 65 | | | | | | |
| - 1 | 66 | | | | | | |
| - 1 | 67 | | | | | | |
| ŀ | 68 | | | | | | |
| ļ | 69 | | | | | | |
| 1 | 70 | | | | | | |
| | 71 | | | | - | | |
| | 72 | | | | | | |
| | 73 | | | | | | |
| | 74 | | | | | | |
| | 75 | | | | | | |
| | 76 77 | | | | | | |
| | 78 | | | | | | |
| 1 | 79 | | | | | | |
| | 80 | | | | | | |
| | 81 | | | | | | |
| | 82 | - | | | | | |
| | 83 | | | | | | |
| | 84 | | | | | | |
| | 85 | | | | | | |
| | 86 | | | | | | |
| | 87 | | | | | | |
| | 88 | | | | | | |
| | 89 | | | | | | |
| | 90 | | | | | | |
| | 91 | | | | | | , |
| | 92 | | | | | | |
| | 93 | | | | | | j |
| | 94 | | | | | | |
| | 95 | | | | | | |
| | 96 | | | | | | |
| | 97 | | | | | | |
| | 98 | | | | | | |
| | 99 | | | | | <u> </u> | |
| | 100 | | | | | | |
| | TOTAL IND. | | 1 | | | | |
| | TOTAL DEP. | | — | | _ | | • |
| | TOTAL CLAIMS | | | | | | |

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office

| CLAIN | IS O | NLY |
|-------|------|-----|
|-------|------|-----|

SERIAL NO. FILING DATE

APPLICANT(S)

CLAIMS

| | <u> </u> | FILED | AF 1st AME | TER NDMENT | AFTER 2nd AMENDMENT | | | |
|-------------------------|--|--|---------------|--|--|--------------|--|--|
| | IND. | DEP. | IND. | DEP. | IND. | DEP. | | |
| 1 | ├- | | _ | | ļ | | | |
| 2 | <u> </u> | (* | | | L | | | |
| 3 | | 1: | | ļ | <u> </u> | | | |
| 4 | | 1 | | ļ | <u> </u> | | | |
| 5 | - | | | | | | | |
| 6 | <u> </u> | 2 | | | ļ | | | |
| 7 | | / | | | | | | |
| . 8 | į | 1 | | | | | | |
| 9 | ` | 1 | | | <u> </u> | | | |
| 10 11 | | | | | _ | | | |
| 12 | | 2 | | | | | | |
| 13 | <u> </u> | 3 | | | | | | |
| 14 | | | | | | | | |
| 15 | | 1 | | | | | | |
| 16 | | 20 | | · | | | | |
| 17 | 1 . | A (1) | | | | L | | |
| 18 | | | | | | | | |
| 19 | | <u>t</u> | | | <u> </u> | | | |
| 20 | | | | <u> </u> | | | | |
| 21 | t | 1-1 | | | | | | |
| 22 | + | ä | | - | · | _ | | |
| 23 | | 1 | | | | | | |
| 24 | | | | | <u> </u> | | | |
| 25 | | 8 | | | | | | |
| 26 | i | | | | | | | |
| 27 | <u> </u> | 7 | | | <u> </u> | | | |
| 28 | | 7 | | ———— | | | | |
| 29 | | <u> </u> | | | | | | |
| 30 | | | | | | | | |
| 31 | | | | | | | | |
| 32 | | | | | | ļ | | |
| 33 | | | | | | | | |
| 34 | | | | | | | | |
| 35 | | | | | i | | | |
| 36 | | | | | | | | |
| 37 | | | | | | | | |
| 38 | | | | | | | | |
| 39 | | | | | | | | |
| 40 | | | | | | | | |
| 41 | | | | | | | | |
| 42 | | | | | | | | |
| 43 | | | | | | | | |
| 44 | | | | L. | | | | |
| 45 | | | | | | | | |
| 46 | | | | | | | | |
| 47 | | | | | | | | |
| 48 | | | | | | | | |
| 49 | | | | | | | | |
| 50 | | | | | | | | |
| TOTAL IND. | 6 | 1 | | • | | • | | |
| TOTAL | 29 | ' 🕶 📗 | | — | | | | |
| DEP. TOTAL CLAIMS | ~ - | - | _ | | | Les arthur l | | |
| CLAIMS | 38 | | | |) i | | | |

| ND. DEP. IND. DEP. IND. DEP. ST. | <u> </u> | | | · | - | | | |
|--|-----------------|--|--------------|--|----------|-------------|----------|--|
| 51 | | * | | * | | * | | |
| 51 | _ | IND. | DEP. | IND. | DEP. | IND. | DEP. | |
| 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 90 91 92 93 94 95 96 97 98 99 99 100 TOTAL INDL. INDL | 51 | | | 1 | | | | |
| 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 71 72 73 74 75 76 77 78 79 80 81 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 99 100 TOTAL TOTA | 52 | | | | | - | | |
| 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 Total Tot | 53 | | | | | | | |
| 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 71 72 73 74 75 76 77 78 79 80 80 81 82 83 84 85 86 67 87 88 89 90 90 91 92 93 94 95 96 97 98 99 100 TOTAL INDL. TOTAL | | | | | | | | |
| 57 58 59 60 61 61 62 63 64 65 66 67 68 69 70 71 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 90 91 91 92 93 94 95 96 97 98 99 99 100 Total IND. | $\overline{}$ | <u> </u> | ļ | <u> </u> | | | | |
| 58 59 60 61 61 62 63 64 65 66 67 68 69 70 71 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 90 91 91 92 93 94 95 96 97 98 99 99 100 Total Indu | | | | <u> </u> | | | | |
| 59 60 61 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 69 87 88 89 90 90 91 91 92 93 94 95 96 97 98 99 100 Total India | | <u> </u> | | - | | | | |
| 60 61 61 62 63 64 65 66 66 67 68 69 70 71 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 90 91 92 93 94 95 96 97 98 99 100 TOTAL DEEP 100 TOTAL TOTEL TOTAL | | | ļ | | | | - | |
| 61 62 63 64 65 66 67 68 69 70 71 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99 100 TOTAL | | | <u> </u> | - | | | | |
| 62 63 64 65 66 67 68 69 70 71 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 90 91 91 92 93 94 95 96 97 98 99 100 Total Berk | | <u> </u> | | | | | | |
| 63 64 65 66 67 68 69 70 71 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 90 91 92 93 94 95 96 97 98 99 100 Total | | | | | | | | |
| 64 65 66 67 68 69 70 71 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 90 91 92 93 94 95 96 97 98 99 100 TOTAL DEEP. | | | | | | | | |
| 66 67 68 68 69 70 70 71 72 73 74 75 76 77 77 78 78 79 80 81 82 83 84 85 86 87 88 89 90 90 91 91 92 93 94 95 96 97 98 99 99 100 TOTAL IND. TOTAL IND. TOTAL IND. | | | | † | | | | |
| 67 68 69 70 71 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 9 100 TOTAL IND. TOTAL IDER | 65 | | | | | | | |
| 68 69 70 71 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL IND. TOTAL IND. | 66 | | | | | | | |
| 68 69 70 71 71 72 73 74 75 76 77 78 78 79 80 81 82 83 84 85 86 87 88 89 90 90 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL IRD. TOTAL IRD. | | | | | | | | |
| 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL DER | | | | <u> </u> | | | | |
| 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL IND. | | <u> </u> | | | | | | |
| 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 98 99 90 100 TOTAL IND. TOTAL DER | | | ļ | <u> </u> | | | | |
| 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 93 94 95 96 97 98 99 1000 TOTAL IND. TOTAL DER | | ļ | | <u> </u> | | | | |
| 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL DEE | | | | - | | ļ | | |
| 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL DEP | | | | | | | | |
| 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL DER | | - | | | | <u> </u> | | |
| 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL DER | | | | ┼ | | | | |
| 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL DER | | | - | | | | | |
| 80 81 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 91 100 TOTAL IND. TOTAL DER | | | | | | | | |
| 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 TOTAL IND. | 79 | | | <u> </u> | | | _ | |
| 82 83 84 85 86 87 88 89 90 91 92 93 92 93 94 95 96 97 98 99 | 80 | | | | | | | |
| 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL DER | 81 | | | | | | | |
| 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL DER | | | | | | | | |
| 85 86 87 88 89 90 90 91 91 92 93 94 95 96 97 98 99 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | | | | | | | | |
| 86 87 88 89 90 90 91 92 93 94 95 96 97 98 99 9100 TOTAL IND. TOTAL DER | | | | | | | | |
| 87 88 89 90 91 92 93 94 95 96 97 98 99 100 TOTAL IND. | | | | ļ | | | | |
| 88 89 90 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL DER | | | | ļ | | | | |
| 89 90 91 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL DER | | <u> </u> | | <u> </u> | | <u> </u> | | |
| 90 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL IND. | - | | | - | | | | |
| 91 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL DEP. | - | | | | | | ļ | |
| 92 93 94 95 96 97 98 99 100 TOTAL IND. TOTAL IND. | | - | | | <u> </u> | <u> </u> | | |
| 94 95 96 97 98 99 100 TOTAL IND. TOTAL DEP. | | | | | | <u> </u> | | |
| 95 96 97 98 99 100 TOTAL IND. | 93 | | i | | | | | |
| 96 97 98 99 100 TOTAL IND. TOTAL IND. | 94 | Ì | | | | | | |
| 97 98 99 100 TOTAL IND. TOTAL DEP. | 95 | | | | | | | |
| 98 99 100 TOTAL IND. | | | | | | | | |
| 99 100 TOTAL IND. TOTAL DEP | | | | | | | | |
| TOTAL IND. | | <u> </u> | ļ | ļ | | | | |
| TOTAL IND. | | _ | ļ | <u> </u> | | | L | |
| TOTAL DEP | | ļ | <u> </u> | ļ | _ | | | |
| DEP. | IND. | | | L | | L | 1 | |
| TOTAL | DEP. | | • | | • | | — | |
| CLAIMS SECTION OF THE | TOTAL CLAIMS | | | | | | 100 | |

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM **PTO-2022** (1-98)

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office